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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 10729482 |
| | | | | Filing Date | 12/4/03 |
| | | | | First Named Inventor | Yong Hwan Kwon |
| | | | | Art Unit | 2883 |
| | | | | Examiner Name | Mooney |
| Sheet | 1 | of | 1 | Attorney Docket Number | 5882P066 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|---|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number - Kind Code ² (if known) | Publication Date or Issue Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| MPM | | US-6330378 | 12-11-2001 | Forrest et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| MPM | | 1020020077567 | 10-12-2002 | Electronics and Telecommunications Research Institute | |
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| Examiner Signature | Michael P. Mooney | Date Considered | 7/22/05 |
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*Examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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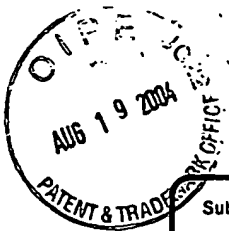
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"High-Efficiency Pin Photo-Diodes With a Spot-Size Converter for 40 Gb/s Transmission Systems", N. Yasuoka, et al., 2 pages

7/22/05

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| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/729,482 |
| | | Filing Date | December 4, 2003 |
| | | First Named Inventor | Yong Hwan Kwon |
| | | Art Unit | 2883 |
| | | Examiner Name | Mooney |
| | | Attorney Docket Number | 5882P066 |
| Sheet | 1 | of | 1 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | |
| mpm | | High Quantum Efficiency, 40 GHz InGaAs Twin Waveguide PIN Photodetectors, M. Gokhale, et al., 2001 IEEE, pgs 885-886 | |
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| Examiner Signature | Mich. D.P. Mooney | Date Considered | 7/22/05 |
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